

# Memorandum

Date: November 20, 2003

To: Arthur Thrapp  
Central District  
3251 S Street, Room A-28  
Sacramento, California 95816-7017

From: Ralph N. Hinton, Retired Annuitant  
Northern District  
Department of Water Resources

Subject: For Your Files: 1986 Lake Davis Creel Census

This memorandum describes an angler survey conducted at Lake Davis 17 years ago, but the data were never summarized or transmitted to agency files. We are making these data available now because of increased interest in the quality of the Lake Davis fishery prior to the illegal introduction of northern pike about 1994. This information will be useful in preparing environmental documentation supporting whatever action is taken to eliminate northern pike from Lake Davis.

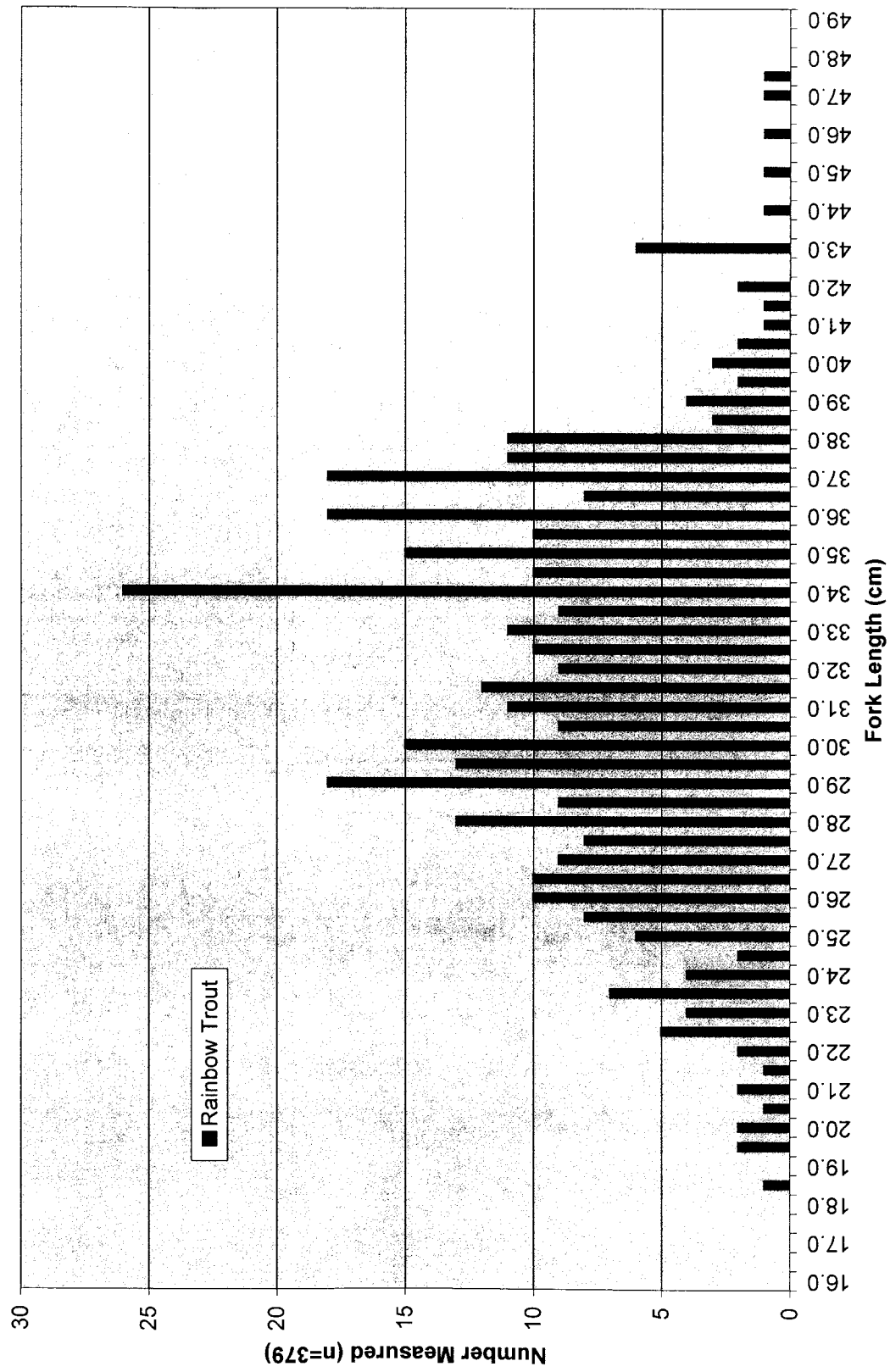
In 1986, California Department of Water Resources, Northern District student assistants Jerry Tittel, Greg Grim, Jennifer Voester, and Carol Janeway, working under my direction, conducted an angler survey at Lake Davis, Plumas County. These surveys were conducted on 28 days from April 26 through November 2, 1986.

During this period, 542 anglers were interviewed who had fished 1,811 hours, with an observed catch of 403 rainbow trout (0.22 trout per hour), 11 bass (both largemouth and smallmouth were observed), and 244 brown bullhead. In addition, 55 trout, 27 bass, and 103 brown bullhead were reported caught, or reported caught and released.

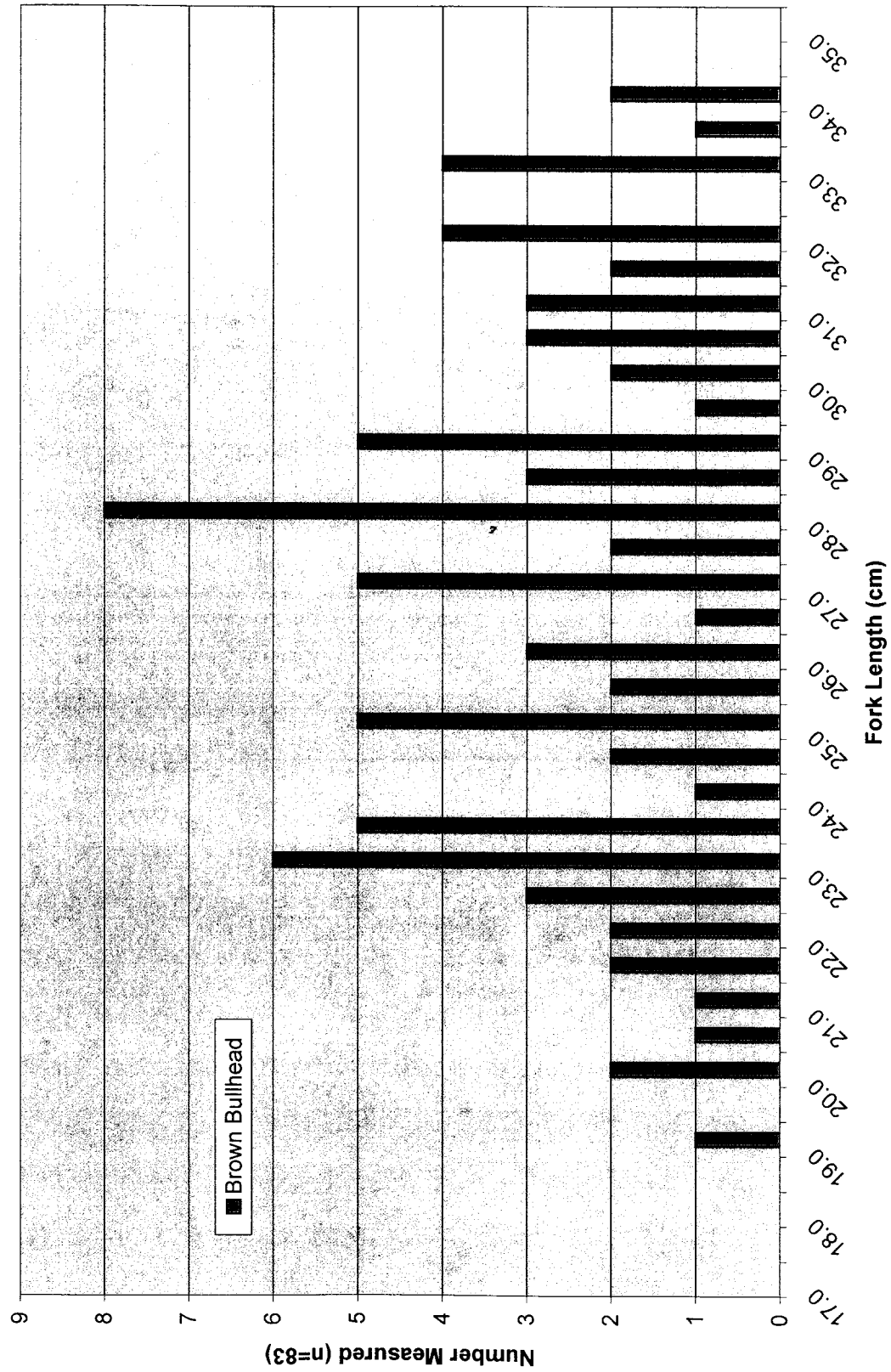
Mean fork length of 379 measured rainbow trout was 31.9 cm (12.5 in.) (Figure 1), mean fork length of 83 brown bullheads was 27.0 cm (10.6 in.) (Figure 2), and mean fork length of 11 bass was 29.5 cm (11.6 in.) (Figure 3). The largest rainbow trout measured 47.5 cm fork length (18.7 in.).

Shore anglers totaled 249 anglers who had fished 630 hours and caught 96 rainbow trout (0.15 trout per hour) and 102 brown bullhead. They reported catching, or catching and releasing an additional six rainbow trout, 16 bass, and 45 brown bullhead.

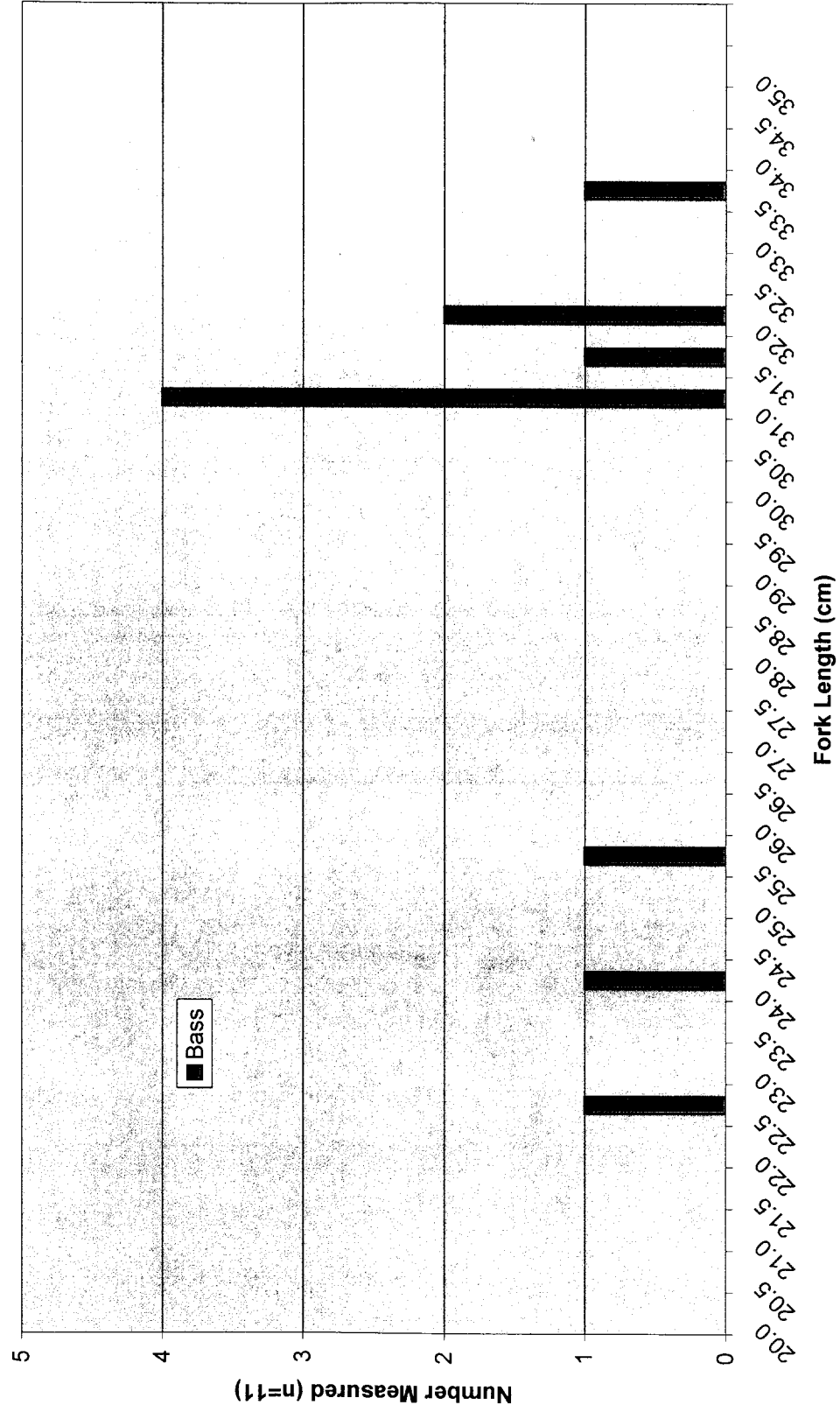
**FIGURE 1**  
**Length-Frequency of Rainbow Trout**  
**Lake Davis 1986**



**FIGURE 2**  
**Length-Frequency of Brown Bullhead**  
**Lake Davis 1986**



**FIGURE 3**  
**Length-Frequency of Measured Bass**  
**Lake Davis 1986**



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Boat anglers totaled 293 anglers who had fished 1181 hours and caught 307 rainbow trout (0.26 trout per hour), 11 bass, and 142 brown bullhead. They reported catching, or catching and releasing 49 trout, 11 bass, and 58 brown bullhead.

About 54 percent of the anglers fished exclusively with bait, 26 percent with lures, 5 percent with flies and 15 percent used more than one type of terminal gear (usually bait and lures).

Nearly 29 percent of the anglers originated from out of state (mostly Reno and Sparks, Nevada) and about 26 percent were from the San Francisco Bay Area (Alameda, Contra Costa, Marin, Napa, Santa Clara, San Francisco, San Mateo, Solano and Sonoma Counties). Other anglers contacted at the lake were mostly from Northeast Counties (16 percent; Plumas and Lassen Counties), Sacramento Valley Counties (12 percent), and Mountain Counties (7 percent; mostly Placer), with the remaining 10 percent from other regions of California (Figure 4).

If you have any questions or require additional information regarding this survey, please contact me at (530) 529-7393 or [www.hintonr@water.ca.gov](mailto:www.hintonr@water.ca.gov).

Enclosure

cc: Curtis Levine  
Beckwourth Field Office  
Department of Water Resources  
Post Office Box 38  
Beckwourth, California 96129

RHinton: Lori Miles

ACorrespondenceMemo1429

Spell Check: November 20, 2003

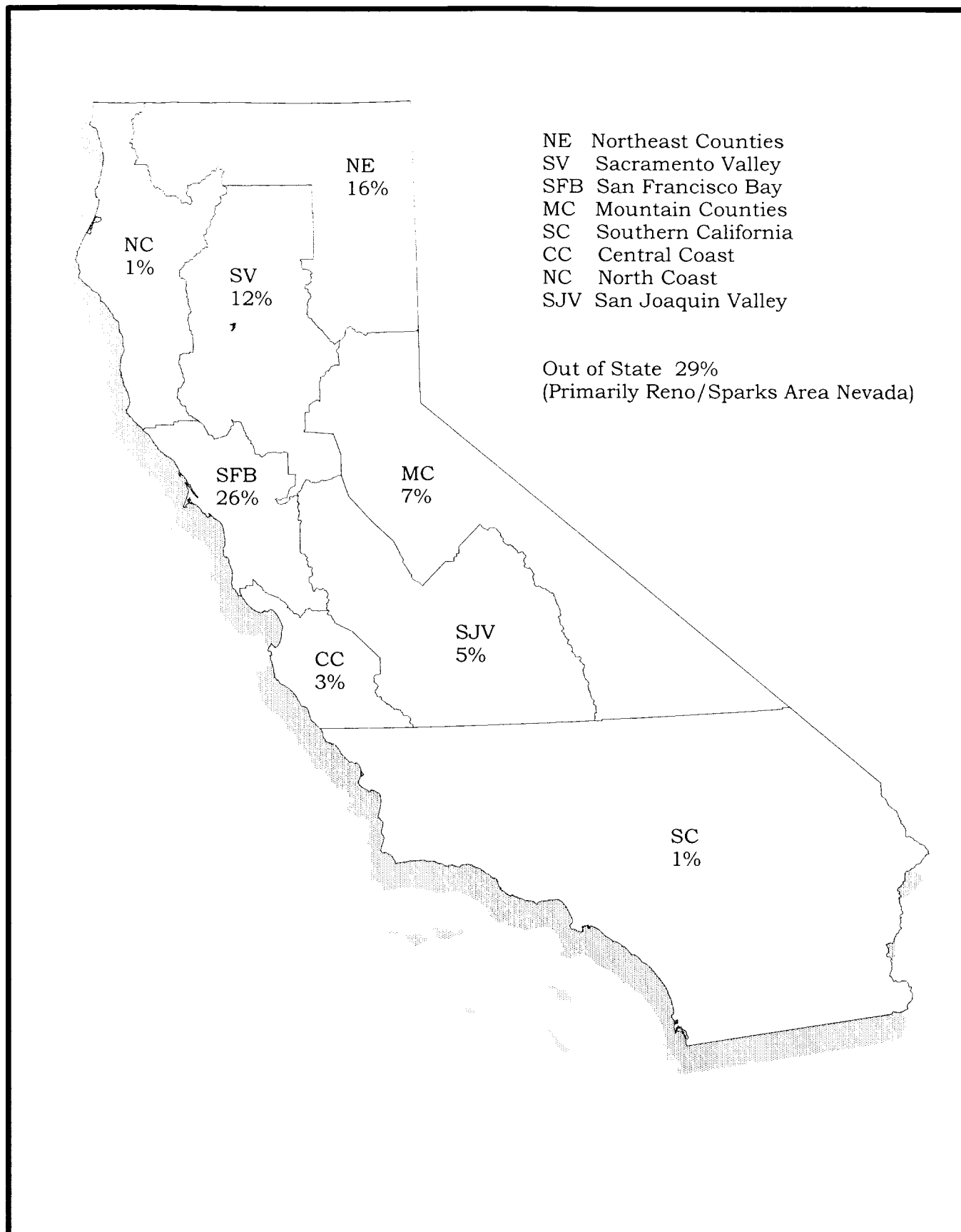


Figure 4 Lake Davis-Angler Origin by County Groups-1986

LAKE DAVIS -1986 ANGLER ORIGIN

LARE DAVIS 1988 ANGLER ORIGIN											
ANGLERS COUNTY		ANGLERS	COUNTY	ANGLERS	COUNTY	ANGLERS COUNTY		ANGLERS	COUNTY	ANGLERS	COUNTY
4	1	2	24	2	32		3	43	1	59	
2	1	6	27	2	32		3	43	2	59	
2	1	2	28	2	32		3	43	2	59	
2	1	2	28	3	32		3	43	2	59	
3	1	2	28	1	32		2	43	2	59	
1	1	1	28	1	32		2	43	2	59	
2	1	2	28	2	32		3	43	2	59	
1	1	2	28	1	32		1	43	2	59	
2	1	2	28	2	34		3	43	2	59	
2	1	2	29	2	34		2	43	2	59	
2	3	2	29	2	34		2	43	3	59	
1	3	2	31	2	34		3	44	2	59	
1	4	2	31	1	34		2	44	2	59	
1	4	2	31	2	34		2	44	2	59	
1	4	2	31	6	34		1	44	2	59	
1	4	2	31	2	34		2	44	2	59	
2	6	2	31	2	34		2	44	2	59	
3	7	2	31	3	34		2	45	4	59	
5	7	1	32	2	34		3	45	3	59	
1	7	2	32	2	34		3	46	1	59	
2	7	2	32	1	34		2	46	2	59	
2	7	2	32	2	34		2	46	2	59	
2	7	2	32	2	34		2	46	2	59	
1	7	2	32	2	34		1	46	2	59	
1	9	2	32	2	37		2	46	5	59	
2	9	2	32	2	37		2	48	2	59	
1	9	4	32	3	38		4	48	3	59	
2	9	3	32	2	38		2	49	2	59	
2	10	1	32	1	38		2	49	2	59	
2	10	2	32	1	38		2	49	2	59	
4	10	2	32	1	38		2	49	1	59	
2	10	2	32	2	39		2	49	3	59	
2	15	5	32	5	39		2	49	2	59	
2	16	3	32	2	39		2	49	2	59	
2	17	7	32	1	39		2	50	1	59	
3	17	2	32	2	41		2	51	2	59	
2	18	4	32	3	41		2	52	3	59	
2	18	2	32	2	41		1	57	2	59	
1	18	3	32	2	41		1	57	1	59	
1	18	3	32	2	41		2	57	1	59	
4	21	1	32	2	41		2	58	2	59	
1	21	4	32	2	41		2	58	5	59	
3	21	1	32	2	41		2	59	5	59	
3	21	1	32	3	43		2	59	2	59	
2	23	1	32	2	43		3	59	1	59	
2	23	2	32	1	43		2	59	1	59	

SUMMARY OF ANGLERS FROM EACH COUNTY

COUNTY ANGLERS PERCENT

1	21	3.87%
3	3	0.55%
4	4	0.74%
6	2	0.37%
7	16	2.95%
9	6	1.11%
10	10	1.85%

15	2	0.37%
16	2	0.37%
17	5	0.92%
18	6	1.11%
21	11	2.03%
23	4	0.74%
24	2	0.37%
27	6	1.11%
28	13	2.40%
29	4	0.74%
31	14	2.58%
32	82	15.13%
34	35	6.46%
37	4	0.74%
38	8	1.48%
39	10	1.85%
41	17	3.14%
43	33	6.09%
44	12	2.21%
45	5	0.92%
46	12	2.21%
48	6	1.11%
49	14	2.58%
50	2	0.37%
51	2	0.37%
52	2	0.37%
57	4	0.74%
58	4	0.74%
59	154	28.41%
NR	5	0.92%

Total	542	100.00%
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RECREATION SURVEY LOCATION: Lake Davis - 1986 Angler Origin

ANGLERS COUNTY

2	59
2	59
1	59
3	59
2	59
2	59
2	59
1	59
1	59
2	59
2	59
2	59
3	59
1	59
2	59
2	59
2	59
1	59
2	59
4	59
3	59
2	59
1	59
2	NR
1	NR
2	NR
542	

1 ALAMEDA	21
2 ALPINE	0
3 AMADOR	3
4 BUTTE	4
5 CALAVERAS	0
6 COLUSA	2
7 CONTRA COSTA	16
8 DEL NORTE	0
9 EL DORADO	6
10 FRESNO	10
11 GLENN	0
12 HUMBOLDT	0
13 IMPERIAL	0
14 INYO	0
15 KERN	2
16 KINGS	2
17 LAKE	5
18 LASSEN	6
19 LOS ANGELES	0
20 MADERA	0
21 MARIN	11
22 MARIPOSA	0
23 MENDOCINO	4
24 MERCED	2
25 MODOC	0
26 MONO	0
27 MONTEREY	6
28 NAPA	13
29 NEVADA	4
30 ORANGE	0
31 PLACER	14
32 PLUMAS	82
33 RIVERSIDE	0
34 SACRAMENTO	35
35 SAN BENITO	0
36 SAN BERNARDIN	0
37 SAN DIEGO	4
38 SAN FRANCISCO	8
39 SAN JOAQUIN	10
40 SAN LUIS OBISPO	0
41 SAN MATEO	17
42 SANTA BARBARA	0
43 SANTA CLARA	33
44 SANTA CRUZ	12
45 SHASTA	5
46 SIERRA	9
47 SISKIYOU	0
48 SOLANO	6
49 SONOMA	14
50 STANISLAUS	2
51 SUTTER	2
52 TEHAMA	2
53 TRINITY	0
54 TULARE	0
55 TUOLUMNE	0
56 VENTURA	0
57 YOLO	4
58 YUBA	4

<b>NORTHEAST COUNTIES</b>	
SISKIYOU	0
MODOC	0
LASSEN	6
PLUMAS	82
TOTAL:	88
PERCENT:	16.48%
<b>NORTH COAST</b>	
DEL NORTE	0
HUMBOLDT	0
TRINITY	0
MENDOCINO	4
TOTAL:	4
PERCENT:	0.75%
<b>SACRAMENTO VALLEY</b>	
SHASTA	5
TEHAMA	2
GLENN	0
BUTTE	4
LAKE	5
COLUSA	2
SUTTER	2
YUBA	4
YOLO	4
SACRAMENTO	35
TOTAL:	63
PERCENT:	11.80%
<b>SAN FRANCISCO BAY AREA</b>	
SONOMA	14
NAPA	13
SOLANO	6
MARIN	11
CONTRA COSTA	16
ALAMEDA	21
SAN MATEO	17
SANTA CLARA	33
SAN FRANCISCO	8
TOTAL:	139
PERCENT:	26.03%
<b>SAN JOAQUIN VALLEY</b>	
SAN JOAQUIN	10
STANISLAUS	2
MERCED	2
MADERA	0
FRESNO	10
KINGS	2
TULARE	0
TOTAL:	26
PERCENT:	4.87%
<b>CENTRAL COAST</b>	
SANTA CRUZ	12
MONTEREY	6
SAN BENITO	0
TOTAL:	18
PERCENT:	3.37%
<b>SOUTHERN CALIFORNIA</b>	
SAN LUIS OBISPO	0
SANTA BARBARA	0

59 OUT OF STATE	154	KERN	2
60 OUT OF THE US	0	VENTURA	0
Not Recorded	5	LOS ANGELES	0
		ORANGE	0
		SAN BERNARDINO	0
Total	539	RIVERSIDE	0
		SAN DIEGO	4
		IMPERIAL	0
		TOTAL:	6
		PERCENT:	1.12%
		<b>MOUNTAIN COUNTIES</b>	
		SEIRRA	9
		NEVADA	4
		PLACER	14
		EL DORADO	6
		AMADOR	3
		CALAVERAS	0
		ALPINE	0
		TUOLUMNE	0
		MARIPOSA	0
		MONO	0
		TOTAL:	36
		PERCENT:	6.74%
		TOTAL IN-STATE:	380
		PERCENT:	71.16%
		OUT OF STATE:	154
		PERCENT:	28.84%
		OUT OF THE US:	0
		PERCENT:	0.00%
		GRAND TOTAL:	534
		TOTAL PERCENT:	100.00%